

**Algebra I Lesson – Monday, October 19, 2009**

**OBJECTIVES**

**SW** Describe independent and dependent quantities in functional relationships.

**TEKS:** A.1.A

**LANGUAGE**

**SW** use the real world situations to relate to independent or dependent variables.

**VOCABULARY:**

**Content Specific:** dependent variable, independent variable, function, input, output, domain, range

**Related:** variables, relation, ordered pair.

**MATERIALS:**

Warm-up: TAKS Review, Graphing Calculator

**ACTIVITIES:**

**WARM-UP: SW** 1.Immediately work w/ warm-up Taks practice A2B, from Holt(TAKS prep Workbook for Grade 9 pre-test pg 11)

**TW** demonstrate how to solve 1 problem on the calculator, then have the students check their answer.

**ENGAGE**

**SW** think of the sentences that make sense “if, then” and “**Graduation**” WS

**EXPLORE**

**SW** write sentences ... **Depends on...**

**SW** work with TAKS Practice problems 1-6 WS

**TW** demonstrate examples.

**EXPLAIN**

Think-pair-share **SW** explain to his/her partner why he/she thinks it makes sense

**ELABORATE**

**SW** work with a partner and explain how they got the answer

**EVALUATE**

**TW** engage in informal assessment throughout the lesson as students works in groups, pairs and individually.

**5-E Model Lesson – Tuesday, October 20, 2009**

**OBJECTIVES**

**SW** Describe independent and dependent quantities in functional relationships.

**TEKS:** A.1.A

**LANGUAGE**

**SW** use the real world situations to relate to independent or dependent variables.

**VOCABULARY:**

**Content Specific:** dependent variable, independent variable, function, input, output, domain, range

**Related:** variables, relation, ordered pair.

**MATERIALS:**

Warm-up: TAKS Review, Graphing Calculator

**ACTIVITIES:**

**WARM-UP: SW** 1.Immediately work w/ warm-up Taks practice A2B, from Holt(TAKS prep Workbook for Grade 9 pre-test pg 11)

**TW** demonstrate how to solve 1 problem on the calculator, then have the students check their answer.

**ENGAGE**

**N/A**

**EXPLORE**

**N/A**

**EXPLAIN**

**N/A**

**ELABORATE**

**N/A**

**EVALUATE**

**TW** engage formal assessment TEST 2.2

**5-E Model Lesson – Wednesday, October 21, 2009**

**OBJECTIVES**

**SW** solve real world problems using proportions, ratios and percents.

**TEKS:** 8.3.B

**LANGUAGE**

**VOCABULARY:**

**Content Specific:** rate, percent, ratio, cross product

**Related:**

**MATERIALS:**

Warm-up: TAKS Review, Graphing Calculator

**ACTIVITIES:**

**WARM-UP: SW** 1.Immediately work w/ warm-up Taks practice A2C, from Holt(TAKS prep Workbook for Grade 9 pre-test pg 12)

**TW** demonstrate how to solve 1 problem on the calculator, then have the students check their answer.

**ENGAGE**

n/a

**EXPLORE**

**SW** work with a partner to solve problems for **Percent 1, Proportions 1** WS.

**EXPLAIN**

n/a

**ELABORATE**

**SW** elaborate one question similar to Percent 1 WS and ask his/her partner to set-up and solve, and will check the answer.

**EVALUATE**

**TW** engage in informal assessment throughout the lesson as students works in groups, pairs and individually.

**5-E Model Lesson – Thursday, October 23, 2009**

**Evaluate: pre-test for Algebra 1 students**

# **TMSDS – State Test**

**5-E Model Lesson – Friday, October 23, 2009**

**OBJECTIVES**

**SW** Describe independent and dependent quantities in functional relationships.

**TEKS:** A.1.A

**LANGUAGE**

**SW** use the real world situations to relate to independent or dependent variables.

**VOCABULARY:**

**Content Specific:** dependent variable, independent variable, function, input, output, domain, range

**Related:** variables, relation, ordered pair.

**MATERIALS:**

Warm-up: TAKS Review, Graphing Calculator

**ACTIVITIES:**

**WARM-UP: SW** 1.Immediately work w/ warm-up Taks practice A2B, from Holt(TAKS prep Workbook for Grade 9 pre-test pg 11)

**TW** demonstrate how to solve 1 problem on the calculator, then have the students check their answer.

**ENGAGE**

**SW** use Gizmos in order to review CBR activity, time vs distance, fast and slow walk, starting point (y-intercept)

**EXPLORE**

**SW** utilizing Gizmos Distance-Time Graphs

Resource: [explorelearning.com](http://explorelearning.com)

**EXPLAIN**

**SW** answer the questions from WorkLab, by Gizmos.

**ELABORATE**

**n/a**

**EVALUATE**

**TW** engage in informal assessment throughout the lesson as students works in groups, pairs and individually.